

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A communication system, comprising:

a data processing apparatus configured to receive and process data; and

a data providing apparatus configured to provide data to said data processing apparatus, wherein said data processing apparatus includes

means for displaying first buttons representing executable functions in a first display format while displaying second buttons representing optional functions in a second display format, and for displaying a download button requesting to download software executing a function represented by [[the]] one of the second buttons ~~when~~ in response to selecting the one of said second buttons ~~is selected~~,

means for executing a function associated with one of said first buttons in response to an actuation of one of the first buttons,

means for downloading said software provided by said data processing apparatus when said download button is actuated ~~selected~~, ~~in response to a download request for software implementing function associated with one of said second buttons~~,

means for updating a display of the one of the second buttons representing the function implemented by execution of the downloaded software [[,]] by displaying the one of the second buttons in said first display format in response to said software being downloaded, and

means for displaying a new second button representing a new function corresponding to new function information, and

wherein said data providing apparatus includes

means for receiving said download request for said software from said data processing apparatus,

means for transmitting said software to said data processing apparatus in response to said download request for said software, and

means for transmitting information of a new function to said data processing apparatus when software exists for executing the new function.

Claim 2 (Canceled).

Claim 3 (Previously Presented): The communication system according to claim 1, wherein said data providing apparatus further comprises means for creating a download history regarding said software downloaded by said data processing apparatus.

Claim 4 (Previously Presented): The communication system according to claim 3, wherein said data providing apparatus further comprises means for charging for the downloaded software in keeping with said download history regarding said software transmitted to said data processing apparatus.

Claim 5 (Previously Presented): The communication system according to claim 3, wherein said data providing apparatus further comprises:

means for recognizing a category of the software downloaded by said data processing apparatus with a high frequency based on said download history; and

means for transmitting user-oriented information belonging to said category recognized by said category recognizing means,

wherein said data processing apparatus includes means for displaying said user-oriented information.

Claim 6 (Currently Amended): A data processing apparatus for receiving and processing data from a data providing apparatus, said data processing apparatus comprising:

means for displaying first buttons representing executable functions in a first display format while displaying second buttons representing optional functions in a second display format, and for displaying a download button to request downloading software executing the function represented by ~~[[the]]~~ one of the second buttons in response to selecting the one of the second buttons, ~~when said second button is selected~~;

means for executing a function associated with one of said first buttons in response to an actuation of one of the first buttons;

means for downloading, ~~in response to a download request for software implementing a function associated with one of said second buttons~~, said software ~~provided by~~ from said data providing apparatus ~~when~~ in response to actuating said download button ~~is selected~~;

means for updating a display of the ~~second button~~ one of the second buttons representing the function implemented by execution of the downloaded software ~~[[,]]~~ by displaying the one of the second buttons in said first display format in response to said software being downloaded; and

means for displaying a new second button representing a new function corresponding to new function information.

Claim 7 (Previously Presented): The data processing apparatus according to claim 6, wherein, said data processing apparatus further comprises means for displaying a new second button representing said new function corresponding to the new function information when software exists for executing the new function and information about the new function is transmitted from the data providing apparatus to the data processing apparatus.

Claim 8 (Currently Amended): The data processing apparatus according to claim 6, ~~wherein,~~ further comprising:

means for displaying ~~[[said]]~~ user-oriented information ~~[[if]]~~ when said data providing apparatus recognizes a category of software downloaded by said data processing apparatus with high frequency based on a download history regarding the downloaded software and ~~[[if]]~~ when said data providing apparatus transmits said user-oriented information belonging to said category.

Claim 9 (Currently Amended): A data processing method for receiving and processing data from a data providing apparatus, said data processing method comprising:

displaying first buttons representing executable functions in a first display format while displaying second buttons representing optional functions in a second display format;

displaying a download button to request downloading software executing a function represented by ~~[[the]]~~ one of the second buttons ~~when said second button is selected in~~ response to selecting the one of the second buttons;

executing a function associated with one of said first buttons in response to an actuation of the one of the first buttons;

downloading said software provided by said data providing apparatus ~~when said in~~ response to actuating said download button ~~is selected and in response to a download request for software implementing a function associated with one of said second buttons;~~

updating a display of the one of the second buttons representing the function implemented by execution of the downloaded software ~~[[,]]~~ by displaying the one of the second buttons in said first display format in response to said software being downloaded;

displaying a new second button representing a new function corresponding to new function information; and

transmitting information about a new function to said data processing apparatus from said data providing apparatus.

Claim 10 (Currently Amended): A computer readable storage medium encoded with a computer readable program configured to cause an information processing apparatus to execute a method, the method comprising:

displaying first buttons representing executable functions in a first display format while displaying second buttons representing optional functions in a second display format;

displaying a download button to request downloading software executing a function represented by ~~[[the]]~~ one of the second buttons ~~when said second button is selected~~ in response to selecting the one of the second buttons;

executing a function associated with one of said first buttons in response to an actuation ~~[[on]]~~ of the one of the first buttons;

downloading said software provided by said data providing apparatus ~~when said~~ in response to actuating said download button ~~is selected and in response to a download request for software implementing the function associated with one of said second buttons~~;

updating a display of the one of the second buttons representing a function implemented by execution of the downloaded software ~~[[,]]~~ by displaying the one of the second buttons in said first display format in response to said software being downloaded;

displaying a new second button representing a new function corresponding to new function information; and

transmitting information about said new function to said data processing apparatus from said data providing apparatus.

Claim 11 (Currently Amended): A data providing apparatus for providing data to a data processing apparatus which receives and processes said data, said data providing apparatus comprising:

means for receiving a download request for ~~said~~ executable software from said data processing apparatus;

means for transmitting said software to said data processing apparatus in response to said download request for said software;

means for creating a download history regarding said software downloaded by said data processing apparatus;

means for performing a relevant process in keeping with said download history, ~~said~~ ~~means for performing~~ including means for recognizing a category of [[the]] software downloaded by said data processing apparatus with high frequency based on said download history; and

means for transmitting information of a new function which is not performed by said data processing apparatus to said data processing apparatus when new software exists for executing the new function.

Claim 12 (Previously Presented): A data providing apparatus according to claim 11, wherein said means for performing further comprises means for charging for the downloaded software in keeping with said download history regarding said software transmitted to said data processing apparatus.

Claim 13 (Previously Presented): A data providing apparatus according to claim 11, wherein said means for performing further comprises:

means for transmitting user-oriented information belonging to said category recognized by said category recognizing means.

Claim 14 (Cancelled).

Claim 15 (Currently Amended): A data providing method for providing data to a data processing apparatus which receives and processes said data, said data providing method comprising:

receiving a download request for said executable software from said data processing apparatus;

transmitting said software to said data processing apparatus in response to said download request for said software;

creating a download history regarding said software downloaded by said data processing apparatus;

performing a relevant process in keeping with said download history;

transmitting information of a new function which is not performed by said data processing apparatus to said data processing apparatus when new software exists for executing the new function; and

recognizing a category of [[the]] software downloaded by said data processing apparatus with high frequency based on said download history.

Claim 16 (Currently Amended): A computer readable storage medium encoded with a computer readable program configured to cause an information processing apparatus to execute a method, comprising:

receiving a download request for executable software from said data processing apparatus;

transmitting said software to said data processing apparatus in response to said download request for said software;

creating a download history regarding said software downloaded by said data processing apparatus;

performing a relevant process in keeping with said download history;

transmitting information of a new function which is not performed by said data processing apparatus to said data processing apparatus when new software exists for executing the new function; and

recognizing a category of [[the]] software downloaded by said data processing apparatus with high frequency based on said download history.

Claim 17 (Currently Amended): A communication system, comprising:

a data processing apparatus configured to receive and process data; and

a data providing apparatus configured to provide data to said data processing apparatus, wherein said data processing apparatus includes

a button display controlling unit configured to display first buttons representing executable functions in a first display format while displaying second buttons representing optional functions in a second display format, and ~~for displaying~~ to display a download button for requesting to download software executing a function represented by [[the]] one of the second buttons ~~when~~ in response to selecting the one of said second buttons ~~is selected,~~

an executing unit configured to execute a function associated with one of said first buttons in response to an actuation of the one of the first buttons,



a downloading unit configured to download said software provided by said data processing apparatus ~~when in response to actuating said download button is selected, in response to a download request for software implementing a function associated with one of said second buttons,~~

a display updating unit configured to update a display of the one of the second buttons representing the function implemented by execution of the downloaded software ~~[[,]]~~ by displaying the one of the second buttons in said first display format in response to said software being downloaded, and

a new button display controlling unit configured to display a new second button representing a new function corresponding to new function information, and

wherein said data providing apparatus includes

a software request receiving unit configured to receive said download request for said software from said data processing apparatus,

a software transmitting unit configured to transmit said software to said data processing apparatus in response to said download request for said software, and

a new function information transmitting unit configured to transmit information about a new function to said data processing apparatus when software exists for executing the new function.

Claim 18 (Previously Presented): The communication system according to claim 17, wherein said data providing apparatus further comprises a download history creating unit configured to create a download history regarding said software downloaded by said data processing apparatus.

Claim 19 (Previously Presented): The communication system according to claim 18, wherein said data providing apparatus further comprises a charging unit configured to charge for the downloaded software in keeping with said download history regarding said software transmitted to said data processing apparatus.

Claim 20 (Currently Amended): The communication system according to claim 18, wherein said data providing apparatus further comprises:

a category recognizing unit configured to recognize a category of the software downloaded by said data processing apparatus with a high frequency based on said download history; and

a user-oriented information transmitting unit configured to transmit user-oriented information belonging to said category recognized by said category recognizing unit, [[and]]

wherein said data processing apparatus includes a user-oriented information display controlling unit configured to display said user-oriented information.

Claim 21 (Currently Amended): A data processing apparatus for receiving and processing data from a data providing apparatus, said data processing apparatus comprising:

a button display controlling unit configured to display first buttons representing executable functions in a first display format while displaying second buttons representing optional functions in a second display format, and ~~for displaying to display a download button to request downloading software executing the function represented by the one of the second buttons in response to selecting the one of the second buttons when said second button is selected;~~

a executing unit configured to execute a function associated with one of said first buttons in response to an actuation of one of the first buttons;

a downloading unit configured to download, ~~in response to a download request for software implementing a function associated with one of said second buttons~~, said software ~~provided by~~ from said data providing apparatus ~~when~~ in response to actuating said download button ~~is selected~~;

a display updating unit configured to update a display of the second button representing the function implemented by execution of the downloaded software ~~[[,]]~~ by displaying the one of the second buttons in said first display format in response to said software being downloaded; and

a new button display controlling unit configured to display a new second button representing a new function corresponding to new function information.

Claim 22 (Previously Presented): The data processing apparatus according to claim 21, wherein-said data processing apparatus further comprises a new button display controlling unit configured to display a new second button representing said new function corresponding to the new function information, when software exists for executing the new function and information about the new function is transmitted from the data providing apparatus to the data processing apparatus.

Claim 23 (Currently Amended): The data processing apparatus according to claim 21, wherein said data processing apparatus further comprises a user-oriented information display controlling unit configured to display ~~said~~ user-oriented information, ~~if~~ when said data providing apparatus recognizes a category of software downloaded by said data processing apparatus with high frequency based on a download history regarding the downloaded software and ~~[[if]]~~ when said data providing apparatus transmits user-oriented information belonging to said category.